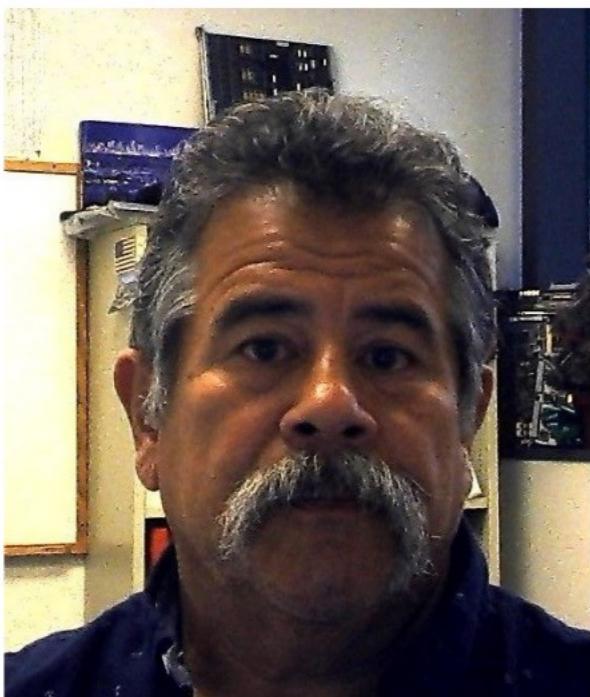


ECCE Detector meeting -- DAQ

Chris Cuevas (JLAB) and Martin L Purschke (BNL)

Thank you for your patience with the scheduling process... People kept moving meetings into our time slot that I couldn't afford to miss



Chris



Martin

DAQ Roadmap

Different from many previous experiments, ECCE has the electronics lumped together with the DAQ “group”

It struck us as unusual at first, but -

- It's clear that there will be a close collaboration with the detector groups
- It might foster the adaptation of fewer (common) solutions
- Not just for hardware, also firm- and software

In addition to that part, there will be the common DAQ items, such as DAQ machines, high-speed network switches, slow controls networks, file servers, and so on

Also things like clock distribution (traditionally called “timing system”) and the entire infrastructure behind it

Streaming Readout, please!

We have a near-perfect overlap of players in this space and the former Yellow Report DAQ group

There, no one – not a single person – was ready to make the case for a traditional triggered readout.

So we believe that we will go with SRO.

A lot of workshops/discussion/R&D already – incidentally organized by people in this very orbit

Streaming Readout V
Developing a common, community-wide standard for streaming readout

RIKEN BNL Research Center Workshop
Hosted at Brookhaven National Laboratory

Streaming Readout VI

13 May 2020, 08:30 → 15 May 2020, 12:00 US/Eastern
Virtual Workshop

Description: Meeting of the EIC Streaming Readout Consortium

Registration: Please register for the workshop.

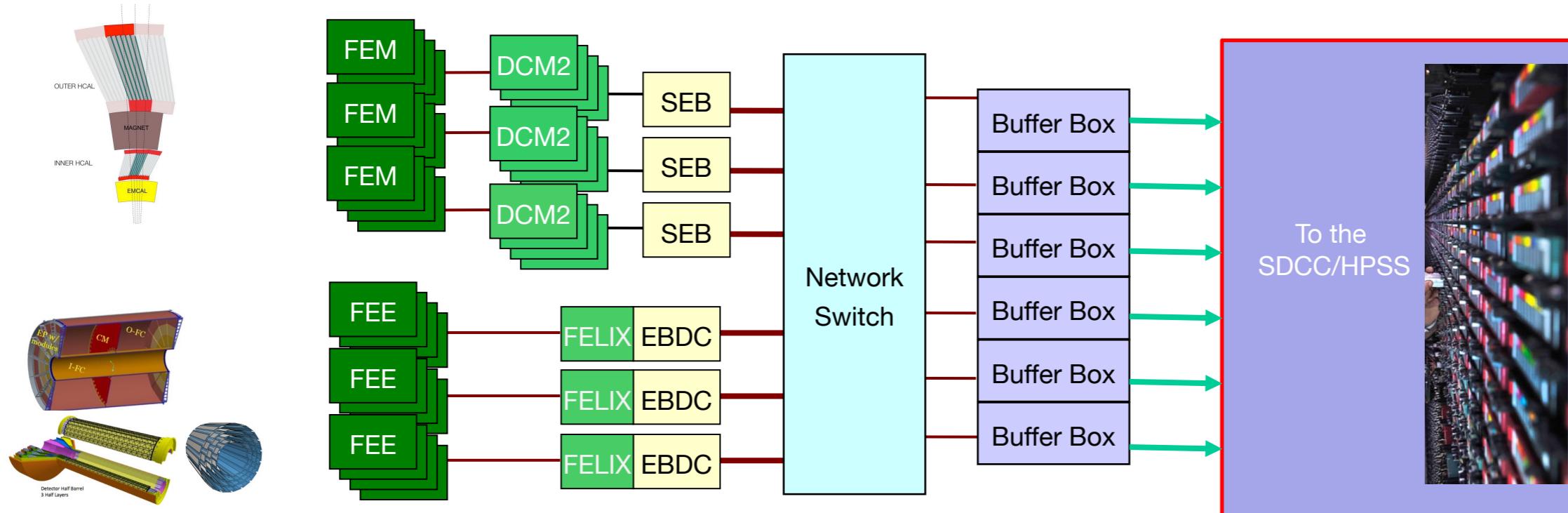
Remote meeting via BlueJeans (Meeting ID 466 165 156)

Meeting URL: <https://bluejeans.com/466165156>

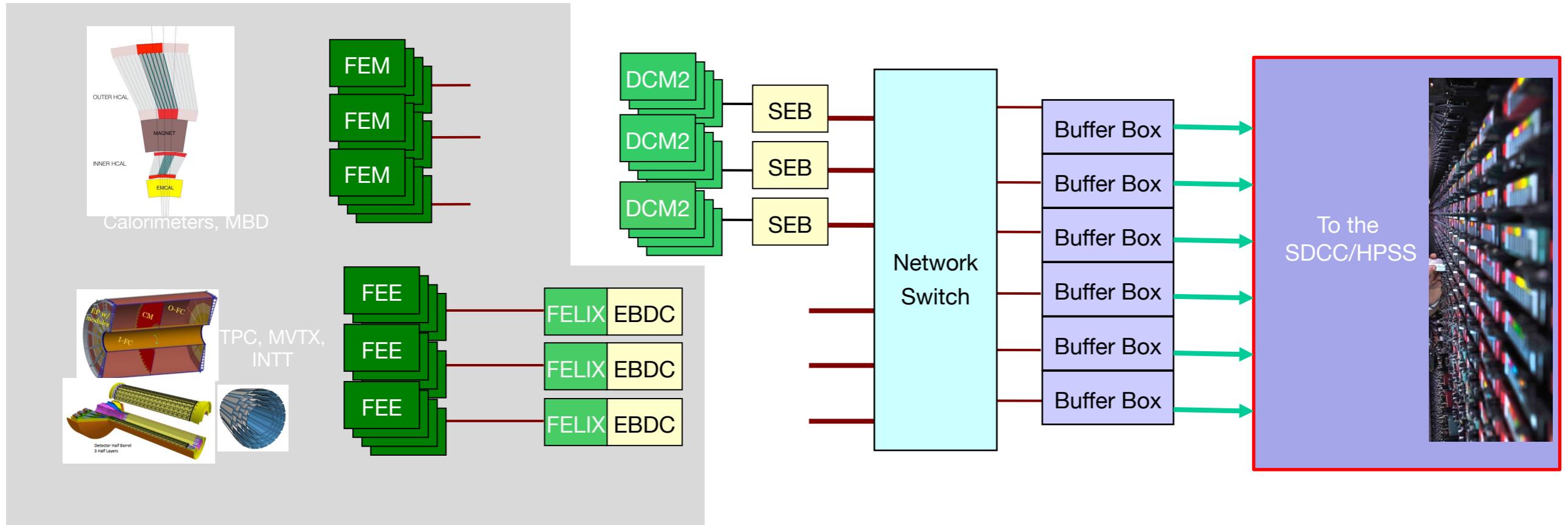
Streaming Readout Workshop VII
Developing a common, community-wide standard for streaming readout

This workshop will be held as an interactive virtual event.
November 16–18, 2020

sPHENIX's DAQ breakdown

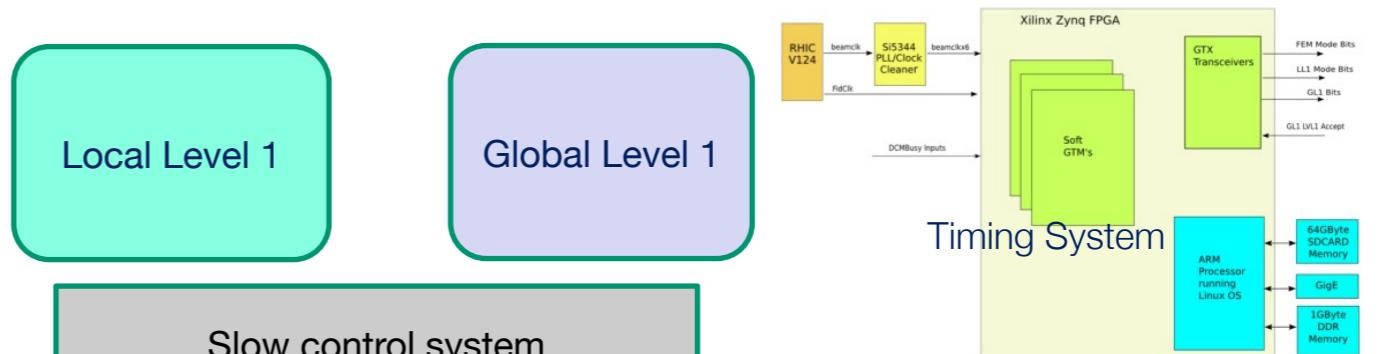
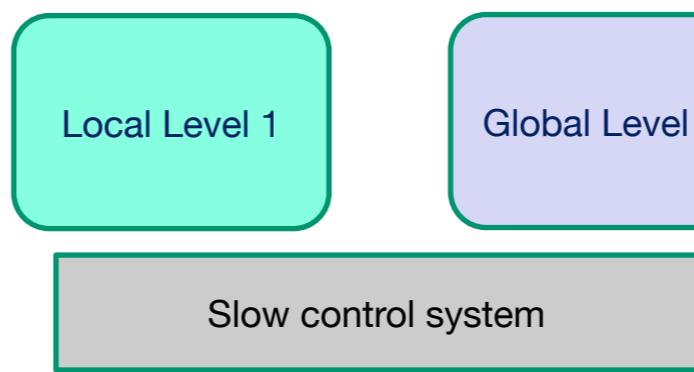


sPHENIX's DAQ breakdown



“Detector”

“DAQ”



What we'll do

We have already started to talk to individual groups about their needs, some in detail
Several detector design are still enough in flux so it's "too soon to call"
But it's a good start

There is a spreadsheet (by Chris) out that we ask each detector convener to populate – uploaded to this meeting's header

Expect us to pester you really soon

We are trying to have a very rough cost estimate /channel or other unit by Friday
(meeting later)